Date

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SIGNATURE

		C ete if Known	
FEE TRANSMITTAL SHEET (FOR FY 2001)	Express Mail No.	EL 872041372 US	
	Filing Date	Concurrently Herewith	
	First Named Inventor	Timothy B. Cowles et al.	
	Group Art Unit	Not Yet Assigned	
	Examiner	Not Yet Assigned	
	Atty. Docket Number	500792.03	
METHOD OF PAYMENT (Check One)	F	EE CALCULATION (Continued)	
1. [X] The Commissioner is hereby authorized to charge any	3. ADDITIONAL FEES		
additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account	Large Entity Small I	-	
No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP	Fee Fee Fee Code (\$) Code	Fee (\$) Fee Description	Fee paid
2. [Y] Chark Fredered	105 130 205	65 Surcharge - Late filing fee or oath	\$
2. [X] Check Enclosed	127 50 227	25 Surcharge - late provisional filing fee or cover sheet	\$
FEE CALCULATION	139 130 139	130 Non-English specification	\$
BASIC FILING FEE	147 2,520 4147	2,520 For Filing a Request for Reexamination	\$
Large Entity Small Entity Fee	195 300 196	300 Publication (early or Republication)	\$
Fee Fee Fee Fee Description Code (\$) Code (\$)	115 110 215	55 Extension for reply within first month	\$
101 740 201 370 [X] Utility Filing Fee	116 400 216	200 Extension for reply within 2 nd month	\$
	117 920 217	460 Extension for reply within 3 rd month	\$
106 330 206 165 Design Filing Fee	118 1,440 218	720 Extension for reply within 4 th month	\$
108 740 208 370 TReissue Filing Fee	128 1,960 280	980 Extension for reply within 5 th month	\$
A Record Control of the Control of t	120 320 220	160 Filing a brief in support of an appeal	\$
114 160 214 80 Provisional Filing Fee	121 280 270	140 Request for oral hearing	\$
Subtotal (1) \$ <u>740</u>	148 110 248	55 Terminal Disclaimer Fee	\$
2. EXTRA CLAIM FEES	140 110 240	55 Petition to revive – unavoidable	\$
Current Claims Prior Extra Fee Fee Paid	141 1,280 241	640 Petition to revive – unintentional	\$
Total 12 - 20 = 0 x \$18 = \$0	142 1,280 242	640 Utility/Reissue issue fee (+ advance copies)	\$
Ind. 4 - 3 = 1 x \$84 = \$84	143 460 243	220 Decign includ foo (+ advance conies)	\$
IMultiple Dependent Claims x \$ = \$	122 130 122	130 Petitions to the Commissioner	\$
Subtotal (2) <u>\$84</u>	123 50 123	50 Petitions related to provisional applications	\$
Lorge Entity Small Entity	126 180 126	180 Submission of IDS	\$
Large Entity Small Entity Fee Fee Fee Fee Fee Code (\$) Fee Description	581 40 81	Recording each patent assignment 40 per property (times number of properties)	\$
103 18 203 9 Claims in excess of 20	179 740 279	Request for Continued Examination (RCE)	\$
102 84 202 42 Independent claims in excess of 3	Other fee (specify)	(102)	\$
104 280 204 140 Multiple dependent Claim Reissue independent claims over		Subtotal (3)	\$0
109 80 209 40 original patent 110 18 210 9 Reissue claims in excess of 20 and over original patent		Total Amount of Payment:	\$824

Submitted by:

Telephone: (20%) 903-8800 Reg. No.: 26,847 Name: Edward W Bulchis

Signature: h:\ip\documents\clients\micron technology\700\500792.03\500762.03 fee trans sht new appl.doc

Date:

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Timothy B. Cowles, Michael A.

Attorney Docket No.: 500792.03

Shore and Patrick J. Mullarkey

Filed : Concurrently Herewith

: REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND METHOD

FOR DUAL MODE FULL/REDUCED DENSITY DRAMS

GENERAL AUTHORIZATION

Box Patent Application Commissioner of Patents Washington, D.C. 20231

Sir:

Title

With respect to the above-identified application, the Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required and to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time and to charge any fees which may be required during the course of prosecution, or credit any overpayment, to Deposit Account No. 50-1266.

Date

Edward W. Bulchis

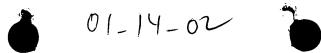
Registration No. 26,847

EWB:dms

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Timothy B. Cowles, Michael A.

Attorney Docket No.: 500792.03 Shore and Patrick J. Mullarkey

Filed

: January 10, 2002

Title

: REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND

METHOD FOR DUAL MODE FULL/REDUCED DENSITY DRAMS

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

BOX PATENT APPLICATION Commissioner for Patents Washington, DC 20231

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 872041372 US, on January 10, 2002, addressed to Box Patent Application, Commissioner for Patents, Washington, DC 20231.

> Respectfully submitted, DORSEY & WHITNEY LLP

/ for West Courier

EWB:dms

Enclosures:

Postcard

Check

PTO/SB/05 Utility Patent Application Transmittal

Application Data Sheet

Fee Transmittal Sheet (+ copy)

General Authorization

Preliminary Amendment

Specification, Claims, Abstract (40 pages)

4 Sheets of Drawings (Figures 1-5)

Declaration

Election and Power of Attorney

Information Disclosure Statement

Form PTO-1449